ELSEVIER

European Journal of Operational Research 78 (1994) 443–444

EUROPEAN JOURNAL OF OPERATIONAL RESEARCH

Contents Volume 78

1 A comparison of graphical techniques for decision analysis
P.P. Shenoy

22 Personnel selection using fuzzy MCDM algorithm
G.-S. Liang and M.-J.J. Wang

34 Canonical fuzzy bags and bag fuzzy measures as a basis for MADM with mixed non cardinal data
A. Rebai

49 Single-shift off-day scheduling of a hierarchical workforce with variable demands
R. Hung

58 A column generation approach to job grouping for flexible manufacturing systems
Y. Crama and A.G. Oerlemans

81 Dynamic programming formulation of the group interview problem with a general utility function
Y.H. Chun, H. Moskowitz and R.D. Plante

93 The most critical path in a PERT network: A heuristic approach
H.M. Soroush

106 Minimization of a quadratic pseudo-Boolean function
A. Billionnet and A. Sutter

116 A Lagrangean heuristic for the capacitated concave minimum cost network flow problem
T. Larsson, A. Migdalas and M. Rönnqvist

130 A bounding scheme for deriving the minimal cycle time of a single-transporter N-stage process with time-window constraints
R. Armstrong, L. Lei and S. Gu

141 Book Reviews, *L.F. Gelders (ed.)*
Modeling and analysis of manufacturing systems, *R.G. Askin and C.R. Standridge*
Organizing innovative manufacturing systems, *H. Boer*
Risk: Analysis, assessment and management, *J. Ansell and F. Wharton*
Annals of Operations Research. Vol. 42. Optimization in chemical engineering, *C.A. Floudas (Ed.)*
Strategic investment decisions, *R. Butler, L. Davies, R. Pike and J. Sharp*

Special Issue on Project Management and Scheduling

145 Editorial
L.V. Tavares and C. Vercellis

146 Adjustment of heads and tails for the job-shop problem
J. Carlier and E. Pinson

162 Optimal resource leveling using non-serial dynamic programming
M. Bandelloni, M. Tucci and R. Rinaldi

178 A multi-project management framework for new product development
A. De Maio, R. Verganti and M. Corso

192 Strategic decision processes in matrix organizations
R.E. Jones, K.M. Jones and R.F. Deckro

204 Capacity analysis in repetitive assemble-to-order manufacturing systems
F. Fumero and C. Vercellis

216 The three-machine flow-shop problem with arbitrary precedence relations
C.J. Lim and G.B. McMahon

224 Maximizing the value of a space mission
N.G. Hall and M.J. Magazine
242 Scheduling project activities in a distributed environment
A. Ramudhin, B. Montreuil and P. Lefrançois
252 Real-time piloting of Flexible Manufacturing Systems
R. Tawegoum, E. Castelain and J.C. Gentina
262 A stochastic model to control project duration and expenditure
L.V. Tavares
267 Constrained multi-project planning problems: A Lagrangean decomposition approach
C. Vercellis

277 Optimization by pattern search
Y.S. Sherif and B.A. Boice
304 An interactive technique for the cutting stock problem with multiple objectives
R.M.S.A. El-Aal
318 The design of optimum component test plans in the demonstration of system reliability
İ.K. Altınel
334 Supplier pricing and lot sizing when demand is price sensitive
P.L. Abad
355 A dynamic service quality cost model with word-of-mouth advertising
N.P. Archer and G.O. Wesolowsky
367 A multiple-criteria composite index model for quantitative and qualitative data
W.D. Cook and M. Kress
380 A fuzzy set theoretic approach to qualitative analysis of causal loops in system dynamics
Pankaj, K. Seth and Sushil
394 Single machine scheduling with start time dependent processing times: Some solvable cases
P.S. Sundararaghavan and A.S. Kunnathur
404 Necessary and sufficient conditions of unacceptable solutions in NLP discriminant analysis
B. Xiao
413 Topology related index for performance comparison of blocking symmetrical networks
V. de Nitto Personè
426 Waiting time estimation in a manufacturing system using the number of machine idle periods
J. Jang and C.R. Liu
441 Carry on with redundancy in lexicographic goal programming
C. Romero
443 Contents Volume 78